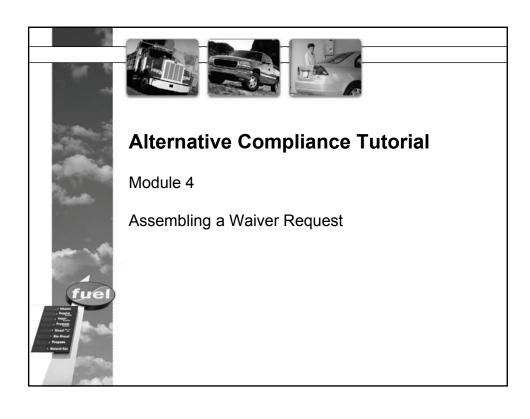
VEHICLE TECHNOLOGIES PROGRAM

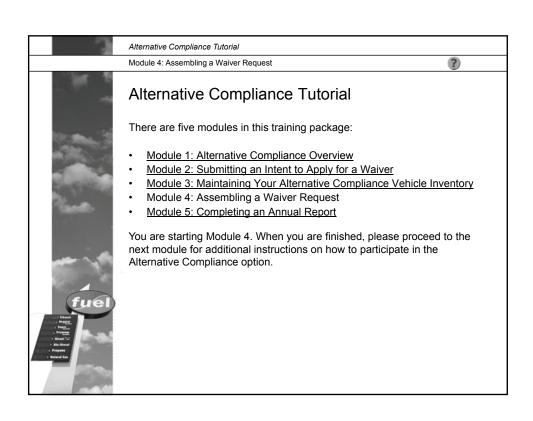
Alternative Compliance Tutorial

Module 4: Assembling a Waiver Request

April 2008

Prepared by the National Renewable Energy Laboratory (NREL), a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy; NREL is operated by the Alliance for Sustainable Energy, LLC.







Module 4: Assembling a Waiver Request

In this module, you will learn about the components required in an Alternative Compliance waiver request. This section answers the following questions:

- · What is a waiver request?
- What is an Alternative Compliance vehicle (ACV)?
- How do I calculate my fleet's petroleum reduction requirement?
- How do I make a plan for achieving my fleet's petroleum reduction requirement?
- How do I use the Alternative Compliance Planning Tool?
- · What are my options if my fleet isn't granted a waiver?
- When is the waiver request due?



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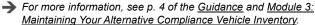
Module 4: Assembling a Waiver Request



What is a waiver request?

The waiver request serves as an application to participate in the Alternative Compliance option. The waiver request must be applicable to your entire fleet for the full model year and include:

- Your fleet's Alternative Compliance Vehicle (ACV) inventory
- The calculated total petroleum reduction requirement, which is the ACV inventory multiplied by the average per vehicle fuel use in your fleet's light-duty vehicles (LDVs)
- A detailed plan of the measures the fleet intends to take to reduce petroleum consumption. Measures include:
 - Alternative fuels
 - Hybrid electric vehicles (HEVs)
 - Biodiesel blends
 - Fuel economy improvement
 - Vehicle miles traveled (VMT) reduction
 - Truck stop electrification
 - Idling time reduction
 - Onboard idle reduction
- Certification by a senior official that your fleet is in compliance with all applicable vehicle emission standards



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Module 4: Assembling a Waiver Request





How do I calculate my fleet's petroleum reduction requirement?

Step 1: Calculate the Petroleum Reduction Requirement

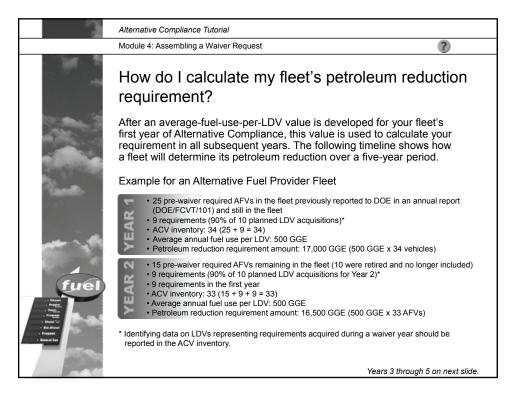
Once the total number of vehicles in your ACV inventory is determined, multiply this number by the average per vehicle fuel use, in gasoline gallon equivalents (GGE), in your fleet LDVs.

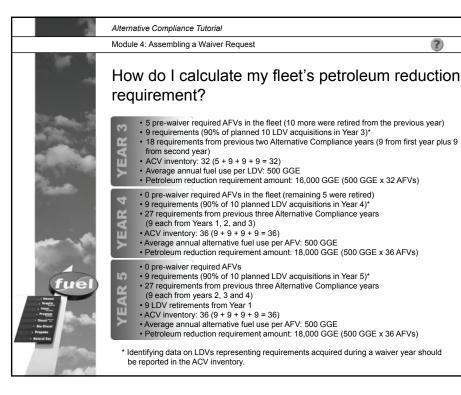
Petroleum Reduction Requirement =

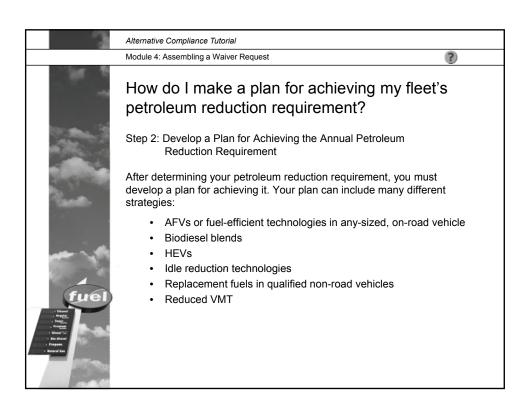
ACV inventory x Average fuel use per covered fleet LDV

For average LDV fuel-use data, the U.S. Department of Energy (DOE) will accept:

- Fuel-use data collected from covered LDVs (preferred)
- Estimates based on actual mileage data and fuel economy values published on <u>www.fueleconomy.gov</u>
- General fleet or industry statistics supplemented with statistical sampling of the fleet
- For more information, see p. 5 of the Guidance.







Alternative Compliance Tutorial

Module 4: Assembling a Waiver Request

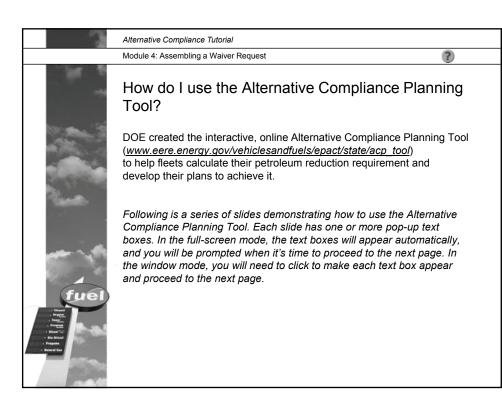


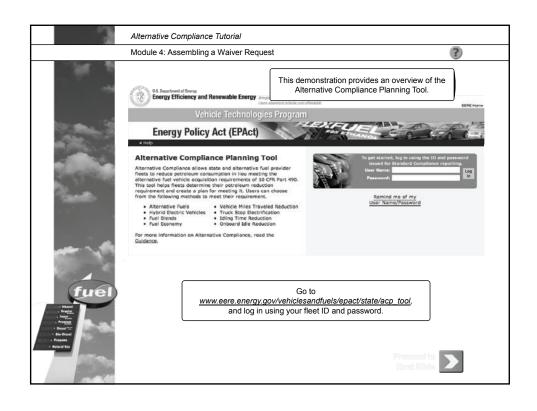


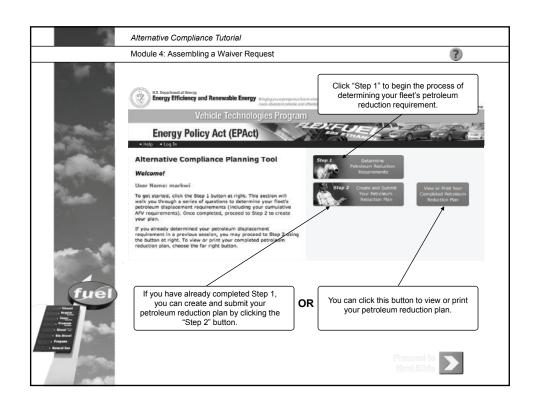
How do I make a plan for achieving my fleet's petroleum reduction requirement?

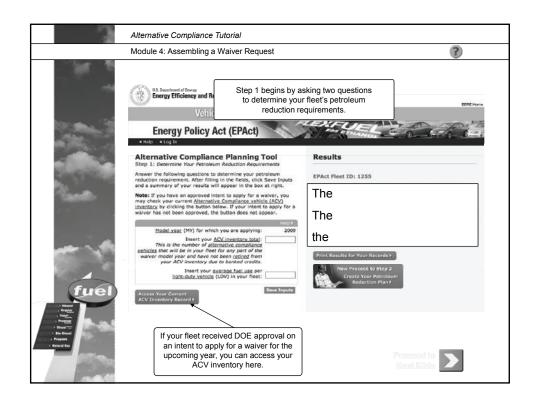
There are two ways to develop a petroleum reduction plan:

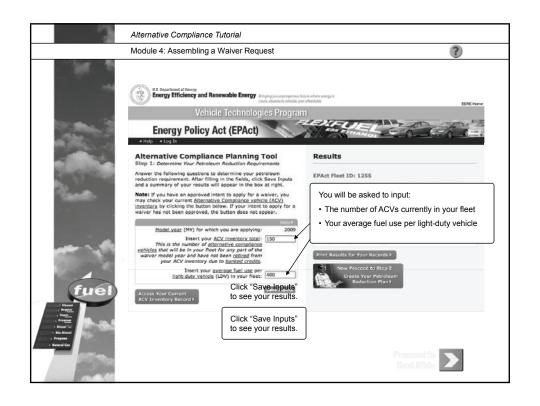
- Use the automated Alternative Compliance Planning Tool (preferred)
- Use the petroleum reduction calculation methodology outlined in Appendices E and F in the <u>Guidance</u>.

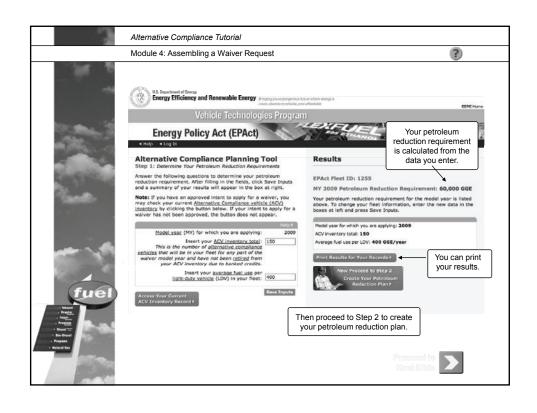


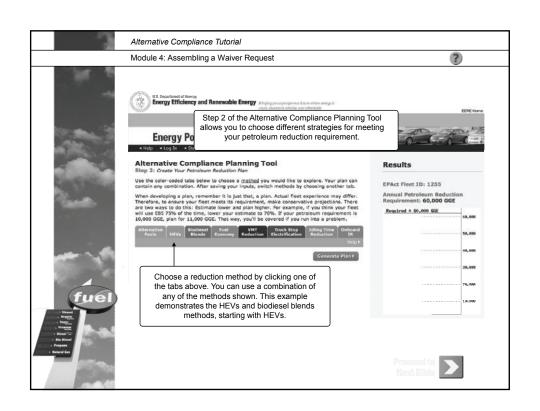


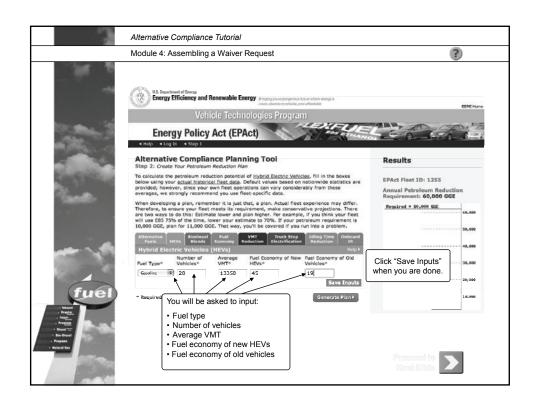


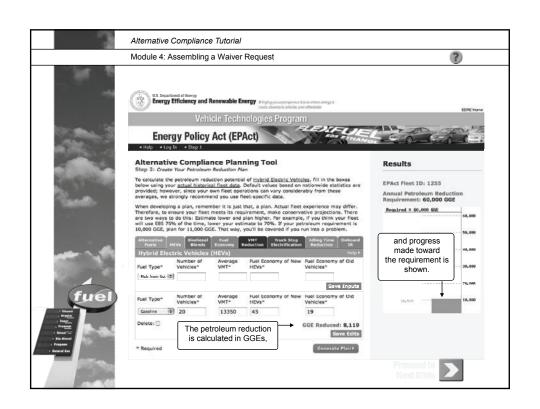


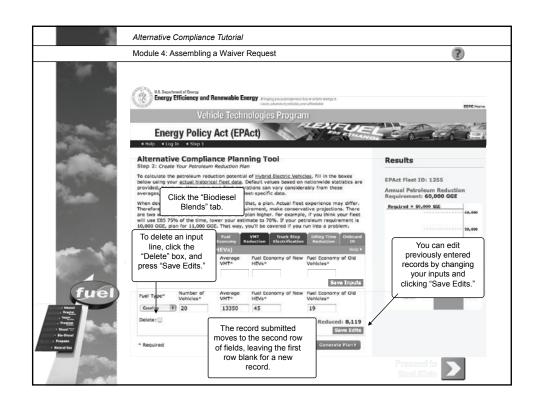


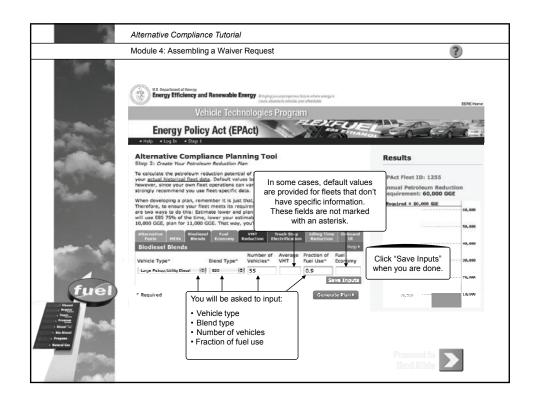




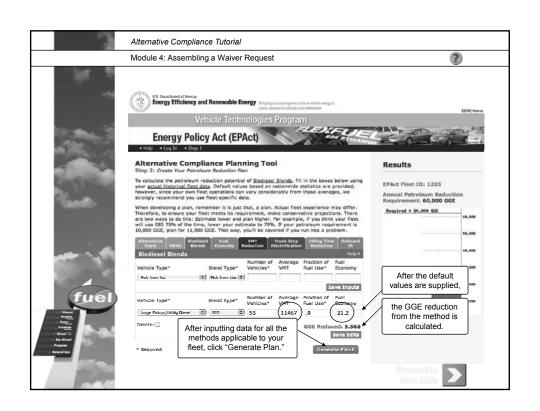


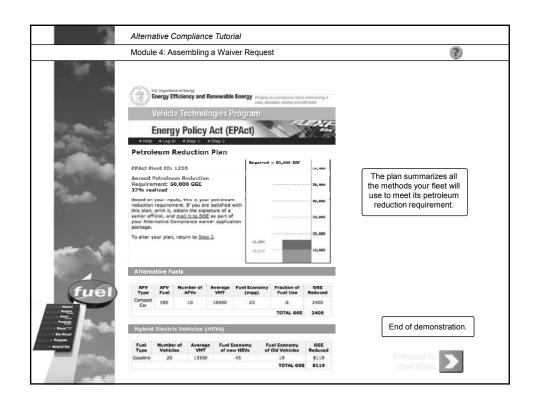


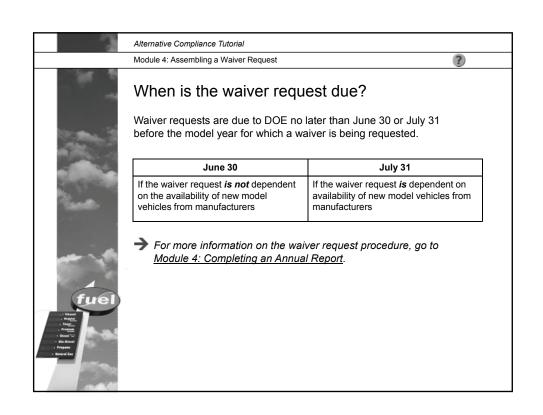












Alternative Compliance Tutorial

Module 4: Assembling a Waiver Request





Where do I send my completed waiver request?

Send your completed waiver request package no later than the June 30 or July 31 deadline to:

Mr. Dana O'Hara Regulatory Manager U.S. Department of Energy EE-2G/Forrestal Building 1000 Independence Ave., SW Washington, D.C. 20585

For more information on what is included in a waiver request, see p. 18 of the <u>Guidance</u>.

Once it receives your *completed* waiver request, DOE has 45 days to review it. If DOE determines it needs more information to approve your waiver request, the 45-day review period will start from the time DOE receives the additional information.



For more information on DOE's waiver approval process, see p. 9 of the <u>Guidance</u>.

